**SPEC-01: Fashion Recommendation Website**

**1. Background**

The project aims to develop a web-based application that allows users to upload or capture images and provide optional details about the occasion to receive personalized fashion product recommendations.

**2. Requirements**

- Image Upload/Capture functionality

- Optional occasion detailing for personalized recommendations

- AWS services for data storage and management

- GPT-4 Turbo model integration for AI-driven fashion recommendations

- MERN stack for web application development

- RESTful APIs for system integration

**3. Method**

- Utilize Amazon S3 for image storage and Amazon RDS or DynamoDB for data management.

- Develop a fine-tuned GPT-4 Turbo model to analyze images and occasion details for generating recommendations.

- Build the application using the MERN stack, ensuring seamless integration between the frontend, backend, and AI model.

**4. Implementation**

**4.1. Week 1: Planning and Setup**

- MERN Stack Developers: Project setup, backend, and frontend initialization

- AI Developers: AI model requirements and data preparation

- UI/UX Designer: Initial design wireframes

- Tester: Testing strategy and environment setup

**4.2. Week 2: Development**

- MERN Stack Developers: API development and frontend-backend integration

- AI Developers: Model training and backend integration

- UI/UX Designer: Design finalization and implementation support

- Tester: Continuous feature testing and bug tracking

**4.3. Week 3: Testing, Refinement, and Launch**

- MERN Stack Developers: Final testing and deployment

- AI Developers: Model tuning and final integration

- UI/UX Designer: User testing and final design adjustments

- Tester: Comprehensive system testing and launch readiness verification

**5. Milestones/Timeline**

- End of Week 1: Project setup and initial design completion

- End of Week 2: Core functionality development and initial testing

- End of Week 3: Final testing, refinement, and project launch

**6. Gathering Results**

Post-launch, evaluate the system's performance in terms of user engagement, recommendation accuracy, and overall system stability.